

# Responsive Grid System

Play+ provides a powerful, responsive grid system based on Bootstrap's 12-column layout. This system enables you to create flexible, mobile-first layouts that adapt seamlessly across different screen sizes.

## Overview

The grid system consists of:

- 12-column layout for maximum flexibility
- 6 responsive breakpoints (xs, sm, md, lg, xl, xxl)
- Container classes for content wrapping
- Column classes for layout control
- Utility classes for advanced positioning

## Breakpoints

| Breakpoint        | Class Prefix | Min Width | Container Max Width |
|-------------------|--------------|-----------|---------------------|
| Extra small       | None         | < 576px   | Auto                |
| Small             | sm-          | ≥ 576px   | 540px               |
| Medium            | md-          | ≥ 768px   | 720px               |
| Large             | lg-          | ≥ 992px   | 960px               |
| Extra large       | xl-          | ≥ 1200px  | 1140px              |
| Extra extra large | xxl-         | ≥ 1400px  | 1320px              |

## Containers

### Basic Container

### Fluid Container

### Grid Columns

## Basic Column Classes

## Responsive Columns

## Auto-sizing Columns

## Column Widths

| Class     | Width   | Description         |
|-----------|---------|---------------------|
| .col-1    | 8.333%  | 1/12 of container   |
| .col-2    | 16.667% | 2/12 of container   |
| .col-3    | 25%     | 3/12 of container   |
| .col-4    | 33.333% | 4/12 of container   |
| .col-5    | 41.667% | 5/12 of container   |
| .col-6    | 50%     | 6/12 of container   |
| .col-7    | 58.333% | 7/12 of container   |
| .col-8    | 66.667% | 8/12 of container   |
| .col-9    | 75%     | 9/12 of container   |
| .col-10   | 83.333% | 10/12 of container  |
| .col-11   | 91.667% | 11/12 of container  |
| .col-12   | 100%    | Full width          |
| .col-auto | Auto    | Content-based width |

## Row Columns

Control how many columns appear in a row:

## Gutters

## Default Gutters

## No Gutters

## **Custom Gutter Sizes**

## **Directional Gutters**

## **Offsets**

Move columns to the right using offset classes:

## **Push and Pull**

Reposition columns using push and pull classes:

## **Examples**

### **Card Layout**

### **Sidebar Layout**

### **Form Layout**

## **Best Practices**

- Mobile-first approach : Start with mobile layouts and enhance for larger screens
- Use semantic HTML : Combine grid classes with meaningful HTML structure
- Test across breakpoints : Ensure layouts work well at all screen sizes
- Avoid nesting too deeply : Keep grid nesting to a minimum for maintainability
- Use appropriate containers : Choose between `.container` and `.container-fluid` based on your design needs

## **CSS Custom Properties**

The grid system uses CSS custom properties for gutters:

You can customize these values in your theme or override them for specific components.